Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

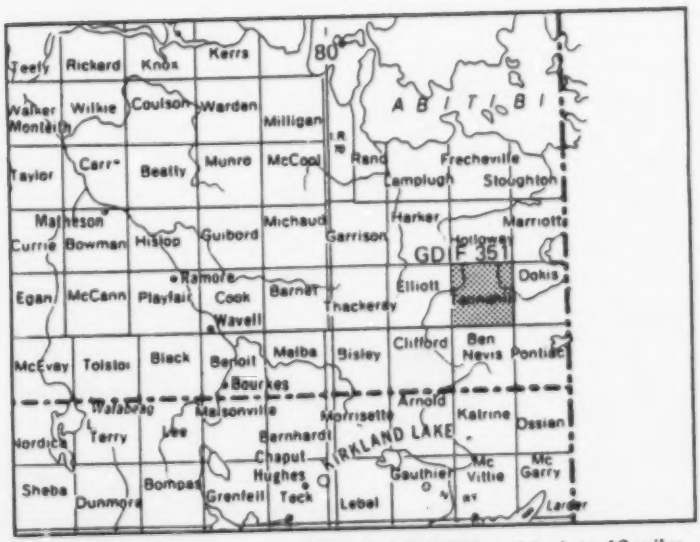
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 351

TANNAHILL TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the Staff of
the Resident Geologist's Office
Kirkland Lake



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number

Mining Claim Map Number

This project is part of Operation Black River-Matheson (BRIM) which was funded equally by the Ontario Ministry of Northern Development and Mines and the Ontario Ministry of Natural Resources.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1987: Tannahill Township, District of Cochrane; Ontario Geological Survey, Geological Data Inventory Folio 351, compiled by the staff of the Resident Geologist's Office Kirkland Lake, 22 p. and 2 maps.

Original Compilation by: W.J. Dennis, K.D. Kalicharran, P.E. Savarie and B.J. Westin, October 20, 1986

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1
Exploration Data Map 1
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	W.J.D.
2	Assessment Files Research Office, Toronto	YES	P.E.S.
3	ODM General Index; 9 volumes	YES	P.E.S.
4	Catalogue of Airborne Geophysical Surveys (ODM)	NO	B.J.W.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	B.J.W.
6	ODM Industrial Mineral Reports	NO	B.J.W.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	W.J.D.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	W.J.D.
9	Newspaper Clippings File	NO	W.J.D.
10	GSC Index to Publications	NO	W.J.D.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	W.J.D.
12	OGS Index Maps	YES	K.D.K.
13	Source Mineral Deposit Records (O.G.S.)	YES	B.J.W.
14	Author - Subject Articles File	YES	K.D.K.
15	Miscellaneous Papers: ODM & OGS	YES	W.J.D.
16	ODM Geological Circulars: OGS Study Series	NO	K.D.K.
17	ODM Preliminary Reports: ODM Bulletins	NO	K.D.K.
18	ODM – OGS Open File Reports	YES	W.J.D.
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	K.D.K.
20	OGS Aggregate Resources Inventory Papers	NO	K.D.K.
21	OGS Mineral Potential Maps	YES	K.D.K.

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METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
▲ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
▲ ba. . . . . .Barite
△ be. . . . . Beryl
△ Bi. . . . . Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
△ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
▲ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (fluorspar)

△ fu. . . . . .Fuchsite
△ gn. . . . . Galena
△ gt. . . . . Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
▲ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
△ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite

△ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
▲ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
△ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod . . . . . Sodalite
▲ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd . . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite

△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . Zircon

▲chl. . . . . .Chlorite
▲ser. . . . . .Sericite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps. or are mentioned within either Mineral Occurrences or the Drillhole Summary.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Crossan, P.	Au	-	Resident Geologist Assessment files Kirkland Lake, Ont.	Best assayed value 0.02oz Au/t from #2 trench exposing mineralized "green stone" with quartz carbonate veinlets.
B	McClosky, J.A.	Au	-	Resident Geologist Assessment files Kirkland Lake, Ont.	"Associated with the shear zones are narrow (1/8" to 2") persistent veinlets of quartz carrying free gold". "In the trenches ..... material assayed from $5.20 (0.15oz/t) to $17.60 (0.5oz/t) or an average of $11.8 (0.34 oz/t) over 1.5'".
C	White, A.	Au	C0214	OGS GR 165 p.59-60 OFR 5467, p.6,36	"Assays over a width of .46m (1.5 feet) across the dike give .33 ounce gold per ton..... Grab samples from the dike are reported to assay from trace to amounts .85 ounce gold per ton.

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Amax Minerals Explorations "Project 1216"								82	82										
2	Canamax Resources Incorp. "Bastarache-Mathias option"				83															
3	Clark, R.M.			77																
4	Crossan, P.			81	80	80														
5	Falconbridge Nickel Mines Ltd.											80	80							
6	Mathias, I.			83 84 85																
7	McClosky, J.A.			33		36		36												
8	McIntyre Porcupine Mines Ltd.											73	73							
9	Lac Minerals Ltd. "Grid TA 2"											86								
10	Lac Minerals Ltd. "Grid TA 4"											86								
11	Lac Minerals Ltd. "Grid TA 6"											86								

GDIF FORM NO. 2

TANNAHILL TOWNSHIP

TYPE OF WORK	Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
12 Lac Minerals Ltd. "Grid TA 7"											86								
13 Lac Minerals Ltd. "Grid TA 8"											86								
14 Condaka Metals Corp. "Magusi River Property"				85				85	85										

GDIF FORM NO. 2

5

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Canamax Resources Inc.	049-01-2	02/83	155°	-50°	148'	528'	spec,py,qcv, hem,cp	-
2	Crossan, P.	1	05/80	315°	-52°	0'	35'	qcv,po	
3	Condaka Metals Corp.	CA-85-1	09/85	340°	-45°	114'	696'	qcv,py,ep,ser hem	Au
4	" "	CA-85-2	10/85	340°	-45°	286'	286'		Au
5	" "	CA-85-3	10/85	340°	-45°	83'	450'	py,qcv,chl,hem	Au
6	" "	CA-85-4	10/85	340°	-45°	78'	450'	py,hem,qcv	Au
7	" "	CA-85-6	10/85	340°	-45°	140'	639'	py,hem,mica	Au
8	" "	CA-85-7	11/85	340°	-45°	261'	261'		
9	" "	CA-85-8	11/85	340°	-60°	126'	665'	py,qcv,hem	Au
10	" "	CA-85-9a	11/85	340°	-50°	174'	758'	py,bar,ank chl,hem,qcv	Au
11	" "	CA-85-10	11/85	340°	-55°	115'	486'	ep,qcv,hem,py	Au
12	" "	CA-85-11	11/85	340°	-55°	85'	462'	py,qcv,mic,ank	Au
13	" "	CA-85-12	12/85	340°	-55°	170'	433'	py,ank,qcv,chl	Au

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

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AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	Sander Geophysics	Electromagnetic (Sander EM3-A)	65m	N-S	150m
	Amax Minerals Exploration	Magnetic (Sander NPM-5 proton procession)			
2	H. Ferderber Geophysics	Electromagnetic (Hertz Totem 1A)	250'	NW-SE	440 feet 134m
	Condaka Metals Corporation	Magnetic (GEM GSM-18 BA proton procession)			

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO.5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

New Insco Mining

Northern Miner Date Unknown

GDF FORM NO. 7

ODM GENERAL INDEX SEARCH

Words searched: Tannahill Township
Webster Lake

Index Volume	Listing:	Report Volume	Part	Page
2	Tannahill Tp., Cochrane dist.			
	see also Webster L.			
	Boundaries surveyed (1907)	29	3	1
	Country, character	29	3	12
	Serpentine	29	3	4,21
	Webster Lake, Tannahill tp.			
	Length	29	3	8,12
	Photos and notes	29	3	15
	Portages	29	3	16
3	Tannahill Tp., Coch.			
	Access; description	37	3	22
	Rocks. see map 37g	37	3	
8	Tannahill, Dokis & Elliott Tps., Coch. dist.			
	summary of field work, 1971			
	by L. S. Jensen	MP049		59-62
9	Tannahill, Dokis, Thackeray & Elliott Tps.			
	Coch. Dist.			
	Geology of the area			
	Report & maps 2367 & 2368 on, 1978			
	by L. S. Jensen	GR165		
	Gold	GR165		50-63

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Boissoneau, A.N.	1965	Algoma-Cochrane Surficial Geology, Ontario	ODL & F Map S365	1:506 880
Boissoneau, A.N.	1965	Agloma, Sudbury, Timiskaming and Nipissing Surficial Geology	ODL & F Map S465	1:506 880
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury and Timiskaming Dists., Ont. Geol. Compilation Series	ODM Map 2046	1:253 440
Lumbers, S.B. Milne, V.G.	1976	Ontario Geological Map, East Central Sheet	OGS Map 2393	1:1 013 760
MERQ-OGS	1984	Lithostratigraphic Map of the Abitibi Subprovince	OGS Map 2484 Que Map DV83-16	1:500 000
Ministry of Natural Resources	1985	Ontario Mineral Map	ODM Map 2472	1:1 584 000
OGS	1980	Geological Highway Map, Northern Ontario	OGS Map 2440	1:1 600 000
Pyke, D.R., Ayres, L.D. & Innes, D.G.	1973	Timmins - Kirkland Lake, Geological Compilation Series, Cochrane, Sudbury and Timiskaming Districts	ODM Map 2205	1:253 440
		GEOPHYSICAL MAPS		
Data Plotting Services Inc.	1985	Matheson-Black River Area (BRIM) Airborne Magnetic Survey Second Vertical Derivative	OGS Resident Geologist's Office, Kirkland Lake, Ontario	1:100 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Data Plotting Services Inc.	1985	Matheson-Black River Area (BRIM) Magnetic Survey Total Field	OGS Resident Geologist's Office, Kirkland Lake, Ontario	1:80 000
ODM-GSC	1951	Magusi River, Districts of Timiskaming and Cochrane	GSC Map 46G	1:63 360
ODM-GSC	1970	Noranda-Rouyn, Total Field Contour Map	GSC Map 70846	1:250 000
ODM-GSC	1975	Magusi River East, Southwest Quarter, NTS 32D/5b	GSC Map 20 127G	1:25 000
ODM-GSC	1975	Magusi River East, Northwest Quarter, NTS 32D/5g	GSC Map 20 128G	1:25 000
ODM-GSC	1975	Magusi River West, Southeast Quarter, NTS 32d/5c	GSC Map 20 133G	1:25 000
ODM-GSC	1975	Magusi River West, Northeast Quarter, NTS 32D/5f	GSC Map 20 134G	1:25 000
OGS	1984	Airborne Electromagnetic Survey Total Intensity Magnetic Survey Tannahill Twp. NTS 32D/5NE Matheson-Black River, Cochrane District	OGS Map 80 610	1:20 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Total Count, Noranda-Rouyn, NTS 32D/W	OGS Map 80 319 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Potassium (percent) Noranda-Rouyn, NTS 32D/W	OGS Map 80 320 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Uranium (eU), Noranda-Rouyn, NTS 32D/W	OGS Map 80 321 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Thorium (eTh), Noranda-Rouyn, NTS 32D/W	OGS Map 80 322 GSC Map 35432G	1:250 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eU/Th ratio, Noranda-Rouyn, NTS 32D/W	OGS Map 80 323 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eU/K ratio, Noranda-Rouyn, NTS 32D/W	OGS Map 80 324 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric eTh/K ratio, Noranda-Rouyn, NTS 32D/W	OGS Map 80 325 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Profiles of Integral U, K, Th, U/Th, Th/K, U/K for line 68(1), Rouyn Noranda, NTS 32D	OGS Map 80 330 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-Ray Spectrometric Profiles of Integral U, Th, K, U/Th, U/K, Th/K for line 69(2), Rouyn Noranda, NTS 32D	OGS Map 80 331 GSC Map 35432G	1:250 000
	-	GEOLOGICAL MAPS AND REPORTS		
Baker, C.L.	1980	Quaternary Geology of the Magusi River Area, (32D/5), District of Cochrane & Timiskaming	OGS MP 96	p.112-113
Baker. C.L.	1982	Drift Thickness of the Magusi River Area, Cochrane and Timiskaming Districts	OGS Map 2478	1:50 000
Baker, C.L.	1982	Sand and Gravel Resources of the Magusi River area, Cochrane and Timiskaming Districts	OGS Map P.2490	1:50 000
Baker, C.L.	1985	Quaternary Geology of the Kirkland Lake area, Districts of Cochrane and Timiskaming	OGS OFR 5553	144p.
Baker, C.L.	1982	Quaternary Geology of the Magusi River Area, Cochrane and Timiskaming	OGS Map P.2483	1:50 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Baker, C.L. Steele, K.G. McClenaghan, M.B.	1985	Reconnaissance Till Sampling Program, Matheson-Lake Abitibi Area, Cochrane District	OGS MP 126	p.329-333
Gledhill, T.L.	1929	Ben Nevis, Munro, Kamiskotia and Other Basemetal Areas, District of Cochrane and Timiskaming	ODM AR v.37 pt.3	p.1-52
Hodgson, C.J.	1983	Preliminary Report on the Timmins-Kirkland Lake Area Gold Deposits File	OGS OFR 5467	434p.
Hubert, C. Trudel, P. Gelinas, L.	1984	Archean Wrench Fault Tectonics and Structural Evolution of the Blake River Group, Abitibi Belt, Quebec	Can. J. of Earth Sci. v.21	p.1024-1032
Jensen, L.S.	1971	Tannahill Township, Cochrane District, Ontario	ODMNA Map P.706	1:15 840
Jensen, L.S.	1971	Dokis, Thackeray, Elliott and Tanahill Townships	ODMNA MP 49 Sum. of Field Work	
Jensen, L.S.	1976	Thackeray, Elliott, Tannahill & Dokis Twps., NTS 32D/5, Cochrane District, Ontario.	ODM OFR 5159	
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GDIF FORM NO.9

NOTES AND ADDENDA

Aerial Photography
on file in Kirkland Lake
Resident Geologist's Office

YEAR	ROLL	FLIGHT LINE	PHOTO
1946	69	219	48
	69	219	49
	69	219	50
	69	219	51
	69	219	55
1971	4816	43	76
	4816	43	77
	4816	43	78
	4816	43	79
	4816	43	80
	4816	43	81
1971	4817	9	262
	4817	9	263
	4817	9	264
	4817	9	265
	4817	9	266
	4817	9	267
1971	4818	9	163
	4818	9	164
	4818	9	165
	4818	9	166
	4818	9	167
	4818	9	168
	4818	9	169
1971	4819	26	163
	4819	26	164
	4819	26	165
	4819	26	166
	4819	26	167
	4819	26	168
	4819	26	169
1980	4815	1	16
	4815	1	17
	4815	1	18
	4815	1	19
	4815	1	20
	4815	1	21
1980	4816	2	96
	4816	2	97
	4816	2	98
	4816	2	99
	4816	2	100
	4816	2	101
	4816	2	102

GDIF FORM NO.8

NOTES AND ADDENDA

1980	4817	2	126
	4817	2	127
	4817	2	128
	4817	2	129
	4817	2	130
	4817	2	131
	4817	2	132
1980	4818	2	158
	4818	2	159
	4818	2	160
	4818	2	161
	4818	2	162
	4818	2	163

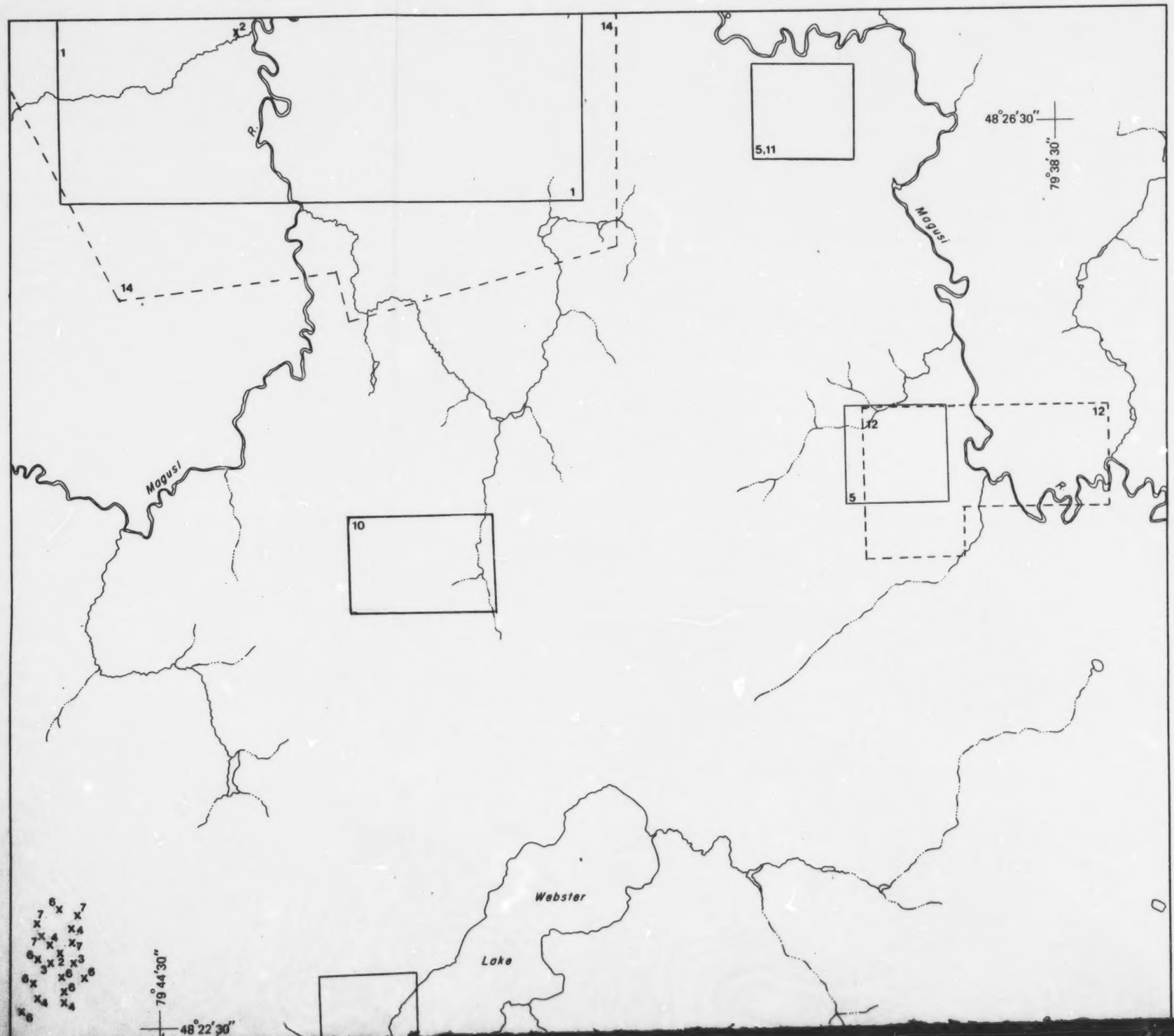
GDIF FORM NO.8

GSC INDEX TO PUBLICATION

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 351

(Map 1 of 2)

TANNAHILL TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

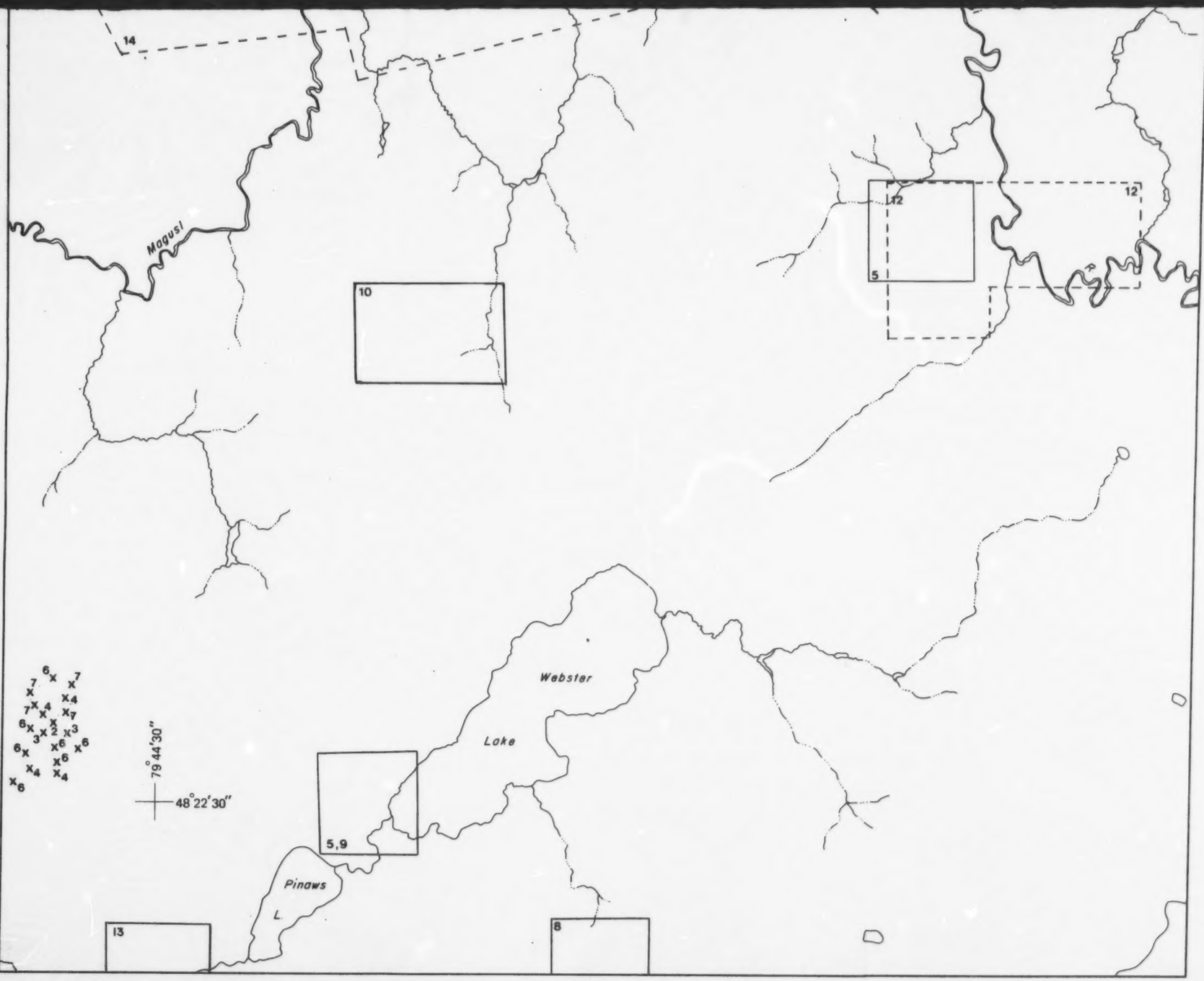
TANNAHILL TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

■ /① ⑥ Reference number is always inside work area outlined. See listing in text pages.

■ x ④ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

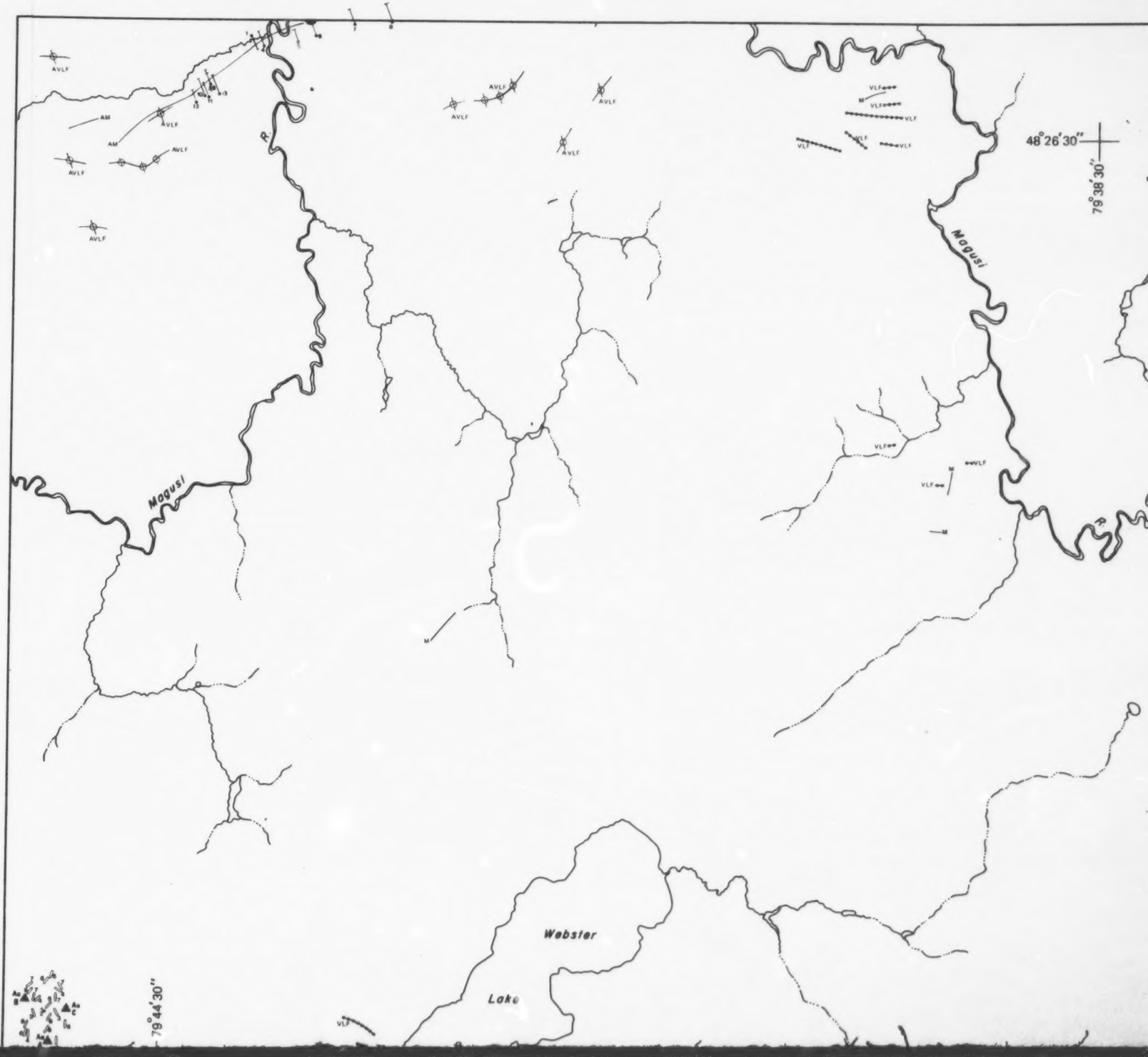
- ☐ ◆³ — Geochemical sample site, with reference number
- ☐ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number

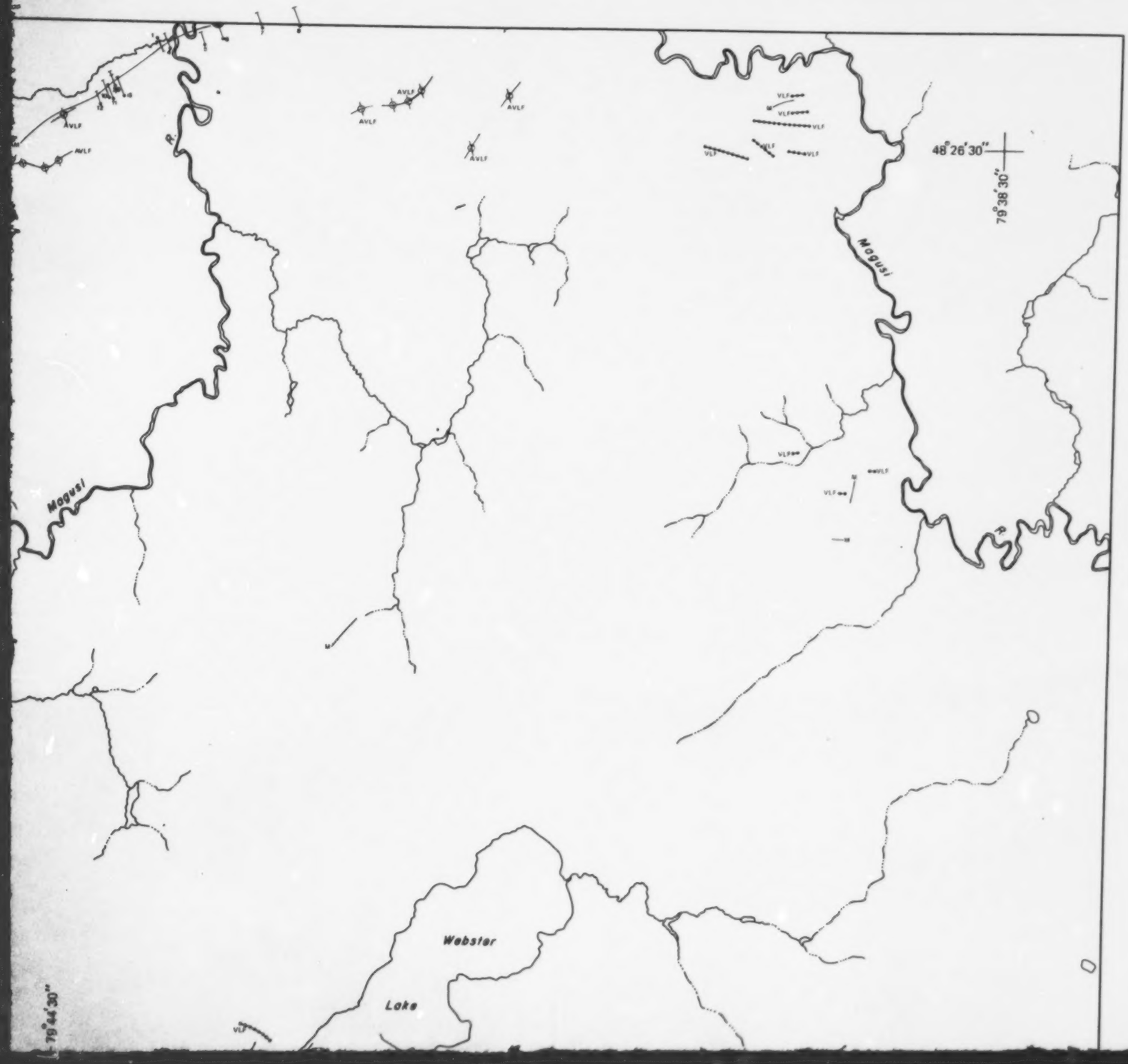
GEOPHYSICAL ANOMALIES

- ■ AM — Airborne magnetic anomaly
- ☐ — Airborne electromagnetic anomaly Length of anomaly along flight line
- ■ — Airborne electromagnetic anomaly Location of anomaly along flight line
- ■ — Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ■ VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ ▱² — Trenching, pit property no.
- ☐ ⚒ — Rock quarry





Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 351

(Map 2 of 2)

TANNAHILL TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in

Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
  property no.
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 351

(Map 2 of 2)

TANNAHILL TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

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GEOLOGICAL AND MINING SYMBOLS

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MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number